

HONOLULU, HAWAII TERRITORY, SUNDAY, OCTOBER 18, 1908

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MAKAPUU LIGHTHOUSE NEEDS ONLY THE LANTERN

More than two years have elapsed
since Honolulu was electrified early one
morning by the news that the big Pa-
cific Mail steamship Manchuria was a
wreck on the rocks of Waimanalo Bay,
and that the captain had steamed his
vessel into that crescent shaped local-
ity through mistaking Rabbit Island
and Makapuu Point for Koko Head.
When the Manchuria went on the rocks
it was at an early hour in the morn-
ing and raining and the ominous warn-
ings of the surf could not be heard on
the coral and lava bluffs seen through
the mists. The cry went up that a
great beacon was needed on Rabbit Is-
land or Makapuu Point to warn mari-
ners of the forbidding rocks there and
to cause them to go further south.

The army engineers' office took up
the matter promptly and through per-
sonal effort by Captain Slattery and
Captain Otwell, both of the Engineer
Corps, U. S. A., and others, an approp-
riation was secured for a lighthouse.
The engineers selected Makapuu Point
as the most favorable location, where
quarters for the keepers could be erect-
ed and to which supplies could be taken
more easily than if the light was locat-
ed on the island where, during stormy
weather, neither supplies nor other aid
might be given in case it became neces-
sary.

Since the Manchuria disaster there
has arisen on the point a tower on
which will be placed the lantern and
the great lens. The cottages for the
keeper and assistants are already con-
structed.

Makapuu is a rocky, barren and al-
most uninhabitable promontory about
640 feet high, being the extreme end
of the range of mountains running
along the windward side of the island
of Oahu of which the Nuuanu Pali
forms a part.

The site selected by Admiral Very,
U. S. N., and Captain Slattery, U. S. A.,
is on the knife-like edge of the ridge
at a height of about 400 feet above
the sea at high tide. From the nar-
row shelf cut off the promontory for
the tower, a stone may easily be cast
into the sea 400 feet below.

The mark of visibility ranges from
N. 36 degrees W., to 86 W., or a total
of 220 degrees, amply protecting the
Kaiwi channel and overlapping the
range of the light now in process of
construction at Molokai near Kalau-
papa. The site overlooks the reef on
which the Manchuria went ashore and
the light will insure the safety of ships
along the greater part of windward
Oahu.

Before commencing work at the
station it was necessary to con-
struct three and three-fourths miles
of road from Koko Head in order
to transport material from Honolulu.
Building material at the site being very
scarce and of doubtful quality, it nec-
essitated hauling from distances varying
from one and a half to four miles for
sand and water, while stone was obtain-
ed at random near the sites, depending
upon the quality available.

The dwellings which are situated
about 100 feet above the tower in a
slight depression in the ridge, are con-
structed with the idea of absolute per-
manence. The walls are of blue lava,
are 14 inches thick, having a concrete
water table with concrete sills and lin-
tels. The interior arrangement consists
of a living room, two bedrooms, a kit-
chen and bath, with ample provision for
clothes closets, etc. The dwellings are
supplied with water from a 10,000 gal-
lon tank which is filled by a pump sta-
tioned at Waimanalo landing, about
three and a half miles distant and 600
feet below the station.

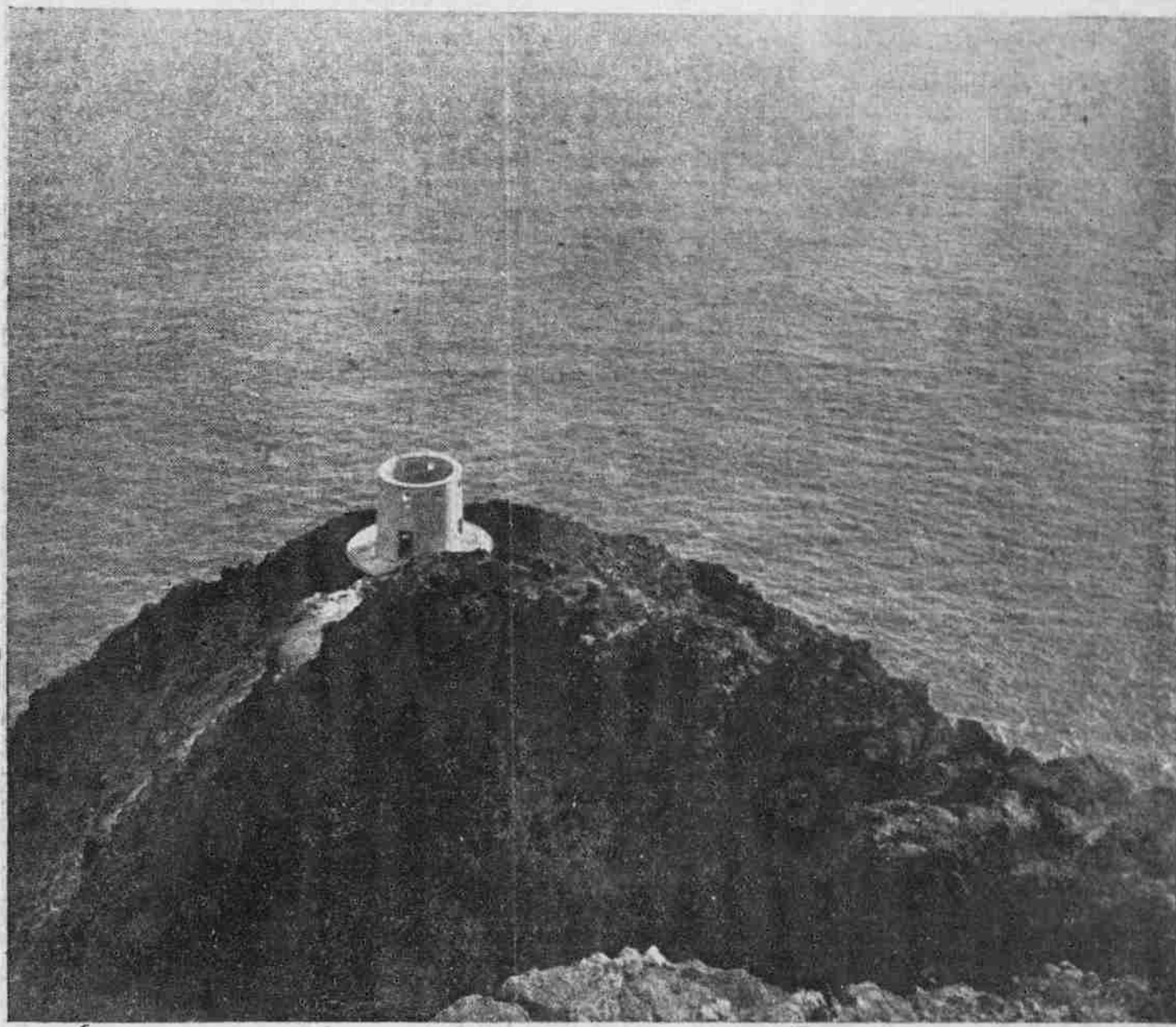
The lower, or lighthouse site, is con-
nected with the dwellings by a road
blasted out of the side of the pali and
commands a magnificent view of the
windward side of Oahu. Waimanalo
valley, stretching green and fresh from
the island dotted bay, is backed by the
sombre pali walls rising from 2000 to
3000 feet sheer above the canefields,
while depressions in the crest of the
mountain ranges mark very distinctly
the openings of both Nuuanu and Ka-
lihi valleys. Almost due north is a
precipitous island about 400 feet high
commonly called Rabbit Island, al-
though seemingly devoid of vegetation
and animal life. To the eastward about
twenty-five miles the island of Mo-
lokai is nearly always visible, its huge
pali usually marked by a dense bank
of clouds. On a clear day the summit
of Haleakala on Maui is seen over the
crest of Molokai while the island of
Lanai is visible to the southward.

The tower upon this splendid site is
of reinforced concrete construction, per-
fectly homogeneous, with footings on a
station of hard lava rock that under-
lies the loose friable structure at the
level of the tower floor. This tower is
complete and only awaits the arrival
of the lantern before the final installa-
tion of the lens.

The lens is one of the most power-
ful in existence and of great size, measur-
ing 12 feet 3-8 inches high by 8 feet
8-3-4 inches inside diameter, weighing,
as shipped with its pedestal, about four-
teen tons.

The oil lamp which supplies the light
at the center of the lens is of the five-
wick burner type giving a light equal
to 26,000 candles. An occulting mech-
anism will give a flash every twenty
seconds which, in clear weather, may
be seen from the crow's-nest of a large
ship 50.05 miles away; while from the
ship's deck, under ordinary conditions,
it will be visible at a distance of thirty
miles.

The Lighthouse Board, at the instance
of Captain Otwell, U. S. A., who par-
ticularly recommended this very power-
ful light for Makapuu, on September
4, 1907, ordered a change of plans to
adapt the tower originally designed for
a second-class lens, to the requirements
for this colossal high-type radiant lens
of the first order. It has therefore been
necessary to prepare special designs for
both lanterns and occulting mechanism
suitable for this lens, and the contracts



—Photo by U. S. Lighthouse Engineer Office.
LIGHTHOUSE TOWER AT MAKAPUU POINT, EASTERN EXTREMITY OF OAHU ISLAND.

for these parts are being fulfilled with
the utmost dispatch, as the date of
lighting the lantern depends wholly up-
on their arrival at Honolulu.

With the combined illumination of
the Makapuu and Molokai lights, prac-
tically the entire windward coasts of
these two islands will be protected. The
lights will so overlap that a ship in pass-
ing out of range of one light in order
to approach land, will be compelled to
pass within the range of the other
light. Each light, of course, will have
distinguishing characteristics and by its
bearing from the ship from which it is
sighted, will give the mariner his exact
bearing from the Kaiwi channel, which
he must pass through en route for Ho-
nolulu.

A SOURCE OF INFECTION.

Honolulu, Oct. 17, 1908.

Editor Advertiser: Apropos of Dr.
Judd's excellent article on tuberculosis
in this morning's issue, I wish to point
out a most dangerous source of infec-
tion which I believe it lies within the
power of the Board of Health to at
once remove.

The writer of these lines only recent-
ly made the acquaintance of a Chinaman
apparently in an advanced stage of con-
sumption. This man is the owner of a
restaurant, acts as a waiter and as such
handles the food of probably a hundred
people every day.

How many others may be afflicted
with the same or other loathsome dis-
eases which make them unfit to handle

other people's food, can at present only
be conjectured.

In a community like ours—or for that
matter in any community—every per-
son employed in the above described
manner should be subject to a period-
ical medical examination and should be
required to carry a health certificate.

J. R.

After more than an hour of badger-
ing by the lawyer for the prosecution
the witness moved to declare that
he had already told everything of any
consequence. "You have told me what
you said to him: 'Gibson, this case
will get into the courts some day.'
Now I want to know what he said in
reply," declared the lawyer, sternly.
"Well, he said: 'Chumley, there isn't
anything in this business that I'm
ashamed of, and if any snoopin', little
hee-hawkin', four-by-six, gimlet-eyed
lawyer, with half a pound of brains
and sixteen pounds of jaw, ever wants
to know what I've been talking to
you about, you can tell him the whole
story.'"

The bronze tablet in memory of
General Count de Rochambeau, who
commanded the French allies in the
war of the revolution, and made his
headquarters while in Newport in 1780-
1781 at the Vernon House on Clarke
and Mary Streets, and which had been
placed on the house, now owned by
Harwood E. Read, was unveiled and
dedicated with appropriate ceremonies
a few days ago. The unveiling was
by the venerable Mrs. Julia Ward
Howe, and a brief address was made
by Count de Chambrun, counselor of
the French embassy and a lineal de-
scendant of the Marquis de Lafayette.

Sale of sheets, pillowcases and tow-
els at Whitney & Marsh's on Monday.

JOLLY TARS TO ENTERTAIN

Flagship Minstrels to Give
Show for Associated
Charities.

Jolly music and catchy songs, includ-
ing the latest hits, will form a portion
of the program that the "Jolly Tars"
of the flagship West Virginia will pre-
sent at the Opera House next Tues-
day evening. The "Jolly Tars" are
minstrels and have made a reputation
on the Coast for excellent perfor-
mances. The proceeds of the entertain-
ment go to the Associated Charities of
Honolulu. The following is the pro-
gram:

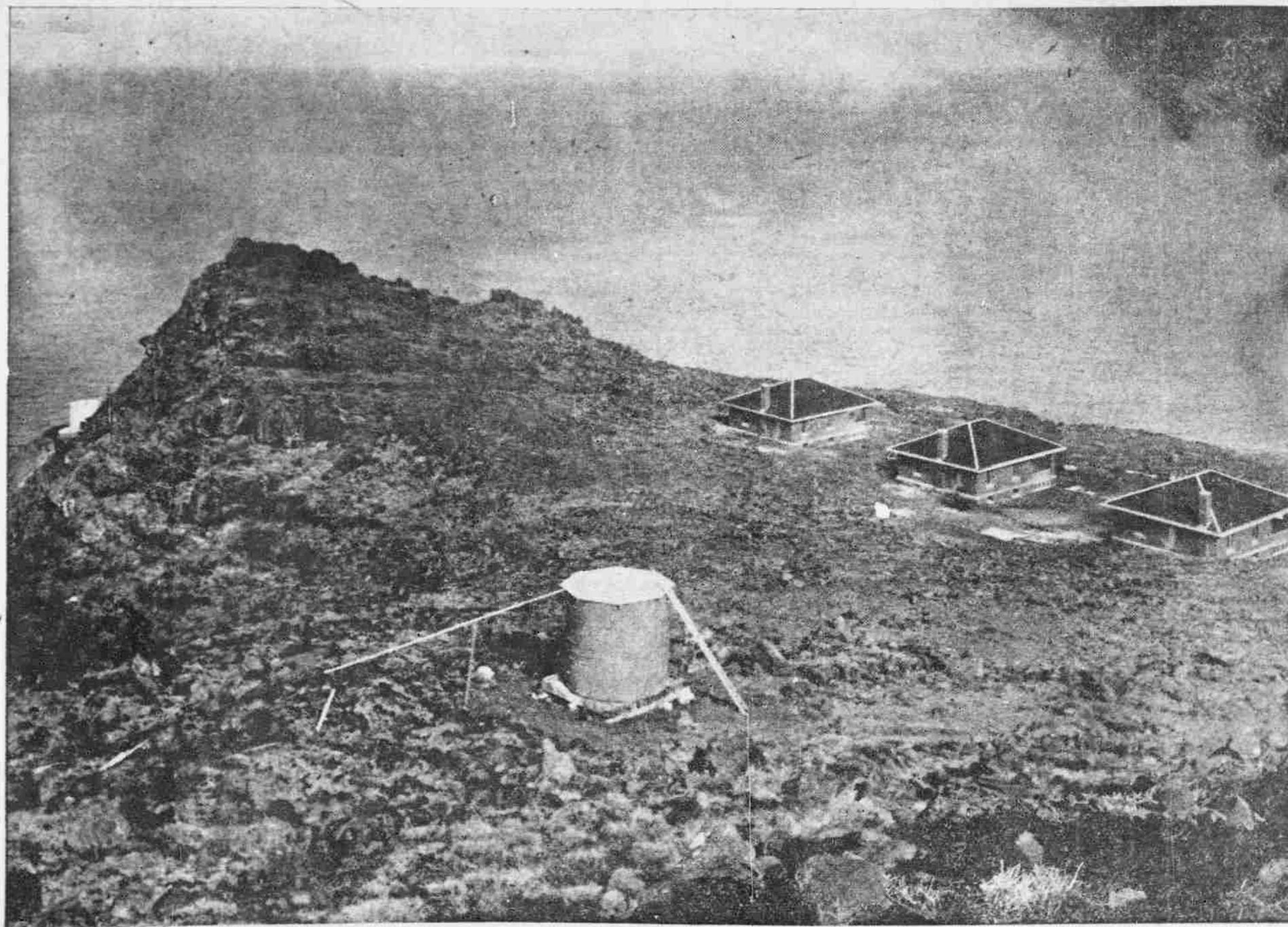
Part I.

Overture—"William Tell".....Orchestra
Grand Medley Overture of Melody
and Song.....Entire Company
Introducing the Darktown Merry-
makers, Connolly and Rosenfeld.
"The Dusky Cavaliers," presenting
Knights of Grand Minstrelsy—
Baker and DeJames.
Songs of the First Part:
"Brother Noah Gave Out Checks for
Rain".....Connolly
"In the Garden of the West".....Vail
"All I Get is, 'Much Obligated to
You'".....Rosenfeld
"Who? Me?".....DeJames
"Genevieve".....Dodgesworth
"Put Me Amongst the Girls".....Baker
Closing Chorus by the Company.
Selection—"Spring Chickens".....Orchestra

Part II.

Olio.
"Dutch in Action".....Montgomery and Vogel
Novelty Juggling.....D. M. Allen
"Dr. Jekyll and Mr. Hyde".....
Dr. Jekyll.....W. H. Chase
Mr. Hyde.....
Dr. Lanyon.....R. B. Smith
Eccentric.....W. O. Baker
"The Taxicab".....Chase and Williams
Empire Trio—Ragtime step-dancers.....
.....Connolly, Burke and Hoyt
Performing Tumblers.....
.....Montgomery, Parker and Longacre
Hebrew Comedian.....L. Schulta
"Have a Card," a craze in one
scene—
John, housemaster.....Chase
Mary, his loyal wife.....Williams
James, a servant.....Vogel
Marks, eminent lawyer.....Smith
Scene—We don't know.
Time—We don't care.
Grand Finale, Tableaux—
"What You See"
"May It Be"
"Forever"

"You seem to manage remarkably
well on your housekeeping money."
"Yes; the storekeepers haven't sent
in their bills yet."—Stray Stories.



—Photo by U. S. Lighthouse Engineer Office.
WATER TANK, KEEPER'S COTTAGE AND GENERAL BUILDINGS.

